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इस भाग में चिह्न पृष्ठ तंत्र की जाती है, जिससे कि यह अलग संस्करण के रूप में रखा जा सके।
(Separate paging is given to this Part in order that it may be filed as a separate compilation)

भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और चिकाइनों से सम्बन्धित अधिसूचनाएँ और नोटिस (Notifications and Notices issued by the Patent Office relating to Patents and Designs)

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PATENTS AND DESIGNS
Calcutta, the 15th January 1983

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1—41 7 GI/82

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CORRIGENDUM

In the Gazette of India, Part III, Section 2 dated the 21st August 1982 under the heading "PATENTS SEALED" delete 148634.

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE, 214, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-700017.

The dates shown in crescent brackets are the dates claimed Under Section 135, of the Act.

9th December, 1982

1429/Cal/82. Birendra Nath Mukerjee. Mine safety lamps.

1430/Cal/82. Dnepropetrovsky Metallurgichesky Institut. Metal teeming method and ladle for effecting same.

1431/Cal/82. Hoechst Aktiengesellschaft. Microbial polysaccharides process for their preparation, microorganisms suitable for this and use of the polysaccharides.

1432/Cal/82. CIBA-GEIGY AG. A process for the preparation of watersoluble zinc and aluminium phthalocyanines and a method of bleaching textiles.

1433/Cal/82. Energy Conversion Devices, Inc. Current enhanced photovoltaic device.

10th December, 1982.

- 1434/Cal/82. Topy Industries, Limited. Wheel Rim.
- 1435/Cal/82. Syntex Pharmaceuticals International Limited. Preparation of α -arylkanoic acids.
- 1436/Cal/82. A. H. Robins Company, Incorporated. Nitro, amino and aroylamino-N-phenylpyridinemines in a process for preparing pyrido [1, 4] benzodiazepines.

13th December, 1982.

- 1437/Cal/82. Westinghouse Electric Corporation. Motor control apparatus with true rms non sinusoidal negative sequence stator current protection mode.
- 1438/Cal/82. Westinghouse Electric Corporation. Corryover barrier for gasification system.
- 1439/Cal/82. Johnson & Johnson Dental Products Company. Dental bonding agent composed of aluminium powder plus inert liquid organic carrier.
- 1440/Cal/82. Schlumberger Limited. Acoustic method and apparatus for measuring transverse dimension of a borehole.

14th December, 1982.

- 1441/Cal/82. VEB Kombinat Fortschritt. Method for separating and concentrating a mixture of butter grain and butter milk.
- 1442/Cal/82. Pakistan Council of Scientific and Industrial Research. Double lift dobby. (14th December, 1981).
- 1443/Cal/82. A. H. Robins Company, Incorporated. [-2 (Nitropyridinyl) amino] phenyl arylmethanones in a process for preparing pyrido [1, 4] benzodiazepines.

15th December, 1982.

- 1444/Cal/82. McDermott Incorporated. Jacking apparatus having a fast repositioning stroke.
- 1445/Cal/82. McDermott Incorporated. Sacking apparatus adjustable for alignment variations.
- 1446/Cal/82. Bo Granbom. A device for converting a rotary motion to a linear movement.
- 1447/Cal/82. Davy McKee (Sheffield) Limited. (formerly Davy-Lowy Limited). Cooling bank for metal workpieces. (16 Dec., 1981).
- 1448/Cal/82. Linde Aktiengesellschaft. Lower pressure fractionation of waste gas from ammonia synthesis.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, III FLOOR, KAROL BAGH, NEW DELHI-110005.

2nd November 1982

- 796/Del/82. Council of Scientific and Industrial Research. "Automatic fire sprinkler—fusible release element type".
- 797/Del/82. Schering Aktiengesellschaft. "Herbicidal preparations containing and methods using thiazolo and (1, 3) thiazino-(2, 3-c) (1, 2, 4)-triazinones having a selective herbicidal action new such compounds suitable therefore and the manufacture of these compounds".
- 798/Del/82. Vereinigte Edelstahlwerke Aktiengesellschaft (VEW). "Apparatus for the electroslag remelting of alloys, especially steel".
- 799/Del/82. Hughes Aircraft Company. "Optical discriminating fire sensor".
- 800/Del/82. UOP Inc. "Filaments reinforced plastic screen and apparatus for making same".

3rd November, 1982

- 801/Del/82. Niky Tasha India Pvt. Ltd. "A method for making small and compact Heat Sinks without using the extrusion process."
- 802/Del/82. Alsthom-Atlantique. "Device for controlling a disconnection and reconnection cycle in a circuit breaker".
- 803/Del/82. Imperial Chemical Industries PLC. "Synthesis process and reactor" (November 19, 1981).
- 804/Del/82. The Halcon SD Group, Inc. "Process for separating ethylene oxide from aqueous solutions".
- 805/Del/82. LA Telemecanique Electrique. "A mechanically controlled switch with automatic opening".
- 806/Del/82. LA Telemecanique Electrique. "A contactor apparatus comprising automatic opening means and a local control member".
- 807/Del/82. LA Telemecanique Electrique. "Contactor apparatus comprising means for automatically opening power circuits and a local control device".

4th November, 1982.

- 808/Del/82. Charbonnages De France. "Process for interrogation of a detector of the concentration of combustible gas and a device for its implementation".
- 809/Del/82. The Bendix Corporation. "An electrical connector assembly".
- 810/Del/82. Charbonnages de France. "Process and device for the remote transmission of signals and application to the detection and/or measurement of the quantity of combustible gas in an atmosphere".
- 811/Del/82. Blue Circle Industries PLC. "Method and apparatus for electrostatic dust precipitation" (November 13, 1981).
- 812/Del/82. Colgate-Palmolive Company. "Combined toothbrush and gum massage device".
- 813/Del/82. G. D. Societa Per Azioni. "Cigarette transfer device".

5th November, 1982

- 814/Del/82. Exxon Research and Engineering Company. "Sterically hindered amino acid promoted acid gas scrubbing process".
- 815/Del/82. Fabbrica Italiana Magneti Marelli S.p.A.. "A free wheel clutch device for electric starting motor of internal combustion engine, particularly in motor vehicles".
- 816/Del/82. Schering Wien Ges. M.B.H.. "Cosmetic preparation".

6th November, 1982.

- 817/Del/82. The Direct Reduction Corporation. "Improved interior arrangement for direct reduction rotary kilns".

8th November, 1982.

- 818/Del/82. F. LLI Marzoli & C. S.p.A.. "Device for condensing the fleece emerging from a carding engine".
- 819/Del/82. Fabbrica Italiana Magneti Marelli S.p.A.. "A free wheel clutch device for starting motor of internal combustion engine, particularly in motor vehicles".
- 820/Del/82. Sir Padampat Research Centre. "A process for obtaining pure aminocarboxylic acids".
- 821/Del/82. Sir Padampat Research Centre. "A process for extraction of low molecular weight compounds from polycaprolactam or its copolymers".

822/Del/82. Sir Padampat Research Centre. "A process for the manufacture of polycaproamide".

823. Del/82. Sir Padampat Research Centre. "A process for the preparation of a concentrated solution of amino carboxylic acid and use thereof in the polymerization of caprolactam."

9th November, 1982.

824/Del/82. Alst-Chalmers Corporation. "Gas injecting kiln shell nozzle with particle entry barriers".

825/Del/82. Grinaker Equipment Company (Proprietary) Limited. "Solar powered engine".

826/Del/82. Imperial Chemical Industries PLC. "Electrolytic cell of the filter press type". (24th November, 1981).

10th November, 1982.

827. Del/82. I. K. Bharati. "A fuel supplying apparatus".

828/Del/82. I. K. Bharati. "A fuel supplying apparatus".

829/Del/82. I. K. Bharati. "A device".

830/Del/82. Ashok Kumar Trehan. "An air cooler".

831/Del/82. Soni Venkata Krishnamurty and Mrs. Krishnamurty. "A biogas digester".

832/Del/82. National Research Development Corp. of India. "Machine for compacting saw dust and other agrowastes".

833/Del/82. National Research Development Corp. of India. "Machine for compacting saw dust and other agro-wastes".

834/Del/82. National Research Development Corp. of India. "A manually operated compaction machine".

835 Del/82. National Research Development Corp. of India. "A manually operated compaction machine".

836/Del/82. Council of Scientific and Industrial Research. "A process for the preparation of pure D-galactose from green Aegae marmelos fruit gum".

12th November, 1982.

837/Del/82. Imperial Chemical Industries PLC. "Electrode structure for use in electrolytic cell, and electrolytic cell containing the electrode structure". (24th November, 1981).

838/Del/82. Atlas Cycle Industries Ltd. "Integrated footrest upper half of shock absorber in light vehicle like Moped".

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH, AT TODI ESTATES, HIRD FLOOR, LOWER PAREL (W.F.S.T.), SUNMILL COMPOUND, BOMBAY-13

12th November, 1982.

307/Bom/1982. Nitto Boseki Co., Ltd. Alloy resistant to corrosion and wear at elevated temperature.

308/Bom/1982. Charles Albert Macmillan. An adapter for gas cylinder valves.

309/Bom/1982. The Bombay Textile Research Association. Modification to feed plate of card to improve card cleaning efficiency.

310/Bom/1982. Shri Kesarkumar Sunderlal Choksi. A portable self contain habitat.

17th November, 1982.

311/Bom/1982. Ambalal Girdhardas Adathakkar. Improvement in or relating to a method of making a lined collapsible carton.

18th November, 1982.

312 Bom 1982. Larsen & Toubro Limited. A holder for firmly and removably holding a vibration sensing device in a tube or the like.

18th November, 1982

313/Bom/1982. Larsen & Toubro Limited. A holder for firmly and removably holding a vibration sensing device in a tube or the like.

314 Bom/1982. Asha Shrikant Kole. Cold Cardioplegia Unit.

19th November, 1982.

315/Bom/1982. Ved Prakash Chaturvedi. A flushing Cistern.

316 Bom 1982. Mohan Pandit Rane and Mrs. Kamla Hirnal Sabadra. Improved Nozzle for fire fighting equipment.

317/Bom/1982. Ved Prakash Chaturvedi. A combination of number and/or key operated lock.

318/Bom/1982. Umakant Shukla. An improved sofa-cum-bed Assembly.

319/Bom/1982. Ravindra Baburno Marathe. Electronic pulse discriminator for carrying out the pulse discrimination technique.

20th November, 1982.

320/Bom/1982. Ved Prakash Chaturvedi. Bolt Lock.

321 Bom/1982. Nippon Rika Kogyo Co., Ltd. Apparatus For Manufacturing Prepreg Mica Sheets.

322/Bom/1982. Dr. Nanduri Atchuta Ramaiyah. Improvements in or relating to kiln to carbonize agricultural waste or forest waste.

23rd November, 1982.

323/Bom/1982. Godrej Soaps Limited. Hard Water and Sea Water Resistant Laundry Bar and Toilet Bar and a Process for the manufacture thereof.

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002.

29th November, 1982.

234/Mas/82. C. I. S. Rao. Modification or improvement to sugarcane crusher.

30th November, 1982.

235/Mas/82. C. H. R. K. Rao, & R. Sivasubramanian. Improvement in or relating to Electrodes for electrochemical processes with an integrated mixed oxide interface on a valve metal base and process for its manufacture.

236/Mas/82. B. N. Sridhara. A Flushing Cistern.

1st December, 1982.

237/Mas/82. K. S. G. Doss. Improvements in or relating to the process of drying of bagasse.

2nd December, 1982.

238/Mas/82. M. R. Balakrishnan. Advanced method of printing cinematic film.

239/Mas/82. B. Ravindranath. Safety Switch For Electrical Socket.

6th December, 1982.

240/Mas/82. K. S. G. Doss. Improvements in or relating to extraction of juice from cane—compression-cum-diffusion process.

8th December, 1982.

241/Mas/82. C. R. Reddy. Improvements in or relating to deionisation of water containing electrolyte in solution.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in opposing the grant of patents on any of the applications concerned, may, at any time within four months of the date of this issue or within such further period not exceeding one month appecied for on Form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months, give notice to the Controller of Patents on the prescribed form 15, or such opposition. The written statement of opposition should be filed along with the said notice or within one month of its date as prescribed in Rule 36 of the Patents Rules, 1972.

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A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Sankar Roy Road, Calcutta, in due course. The price of each specification is Rs. 2/- (postage extra if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with photo copies of the drawings, if any, can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office. Photo copying charges may be calculated by adding the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page are Rs. 4/-.

CLASS 34A 150908.
Int. Cl. D 01 d 7/00.

PROCESS FOR PREPARING A MELT-SPUN ACRYLONITRILE POLYMER FIBER.

Applicants : AMERICAN CYANAMID COMPANY, OF WAYNE, NEW JERSEY, UNITED STATES OF AMERICA.

Inventors : (1) WILLIAM EDWARD STREETMAN AND (2) SHASHIKUMAR HARILAL DAFTARY.

Application No. 1035/Cal/78 filed September 20, 1978.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

A process for preparing a melt-spun acrylonitrile polymer fiber which process comprises extruding a homogeneous single phase fusion melt of water and acrylonitrile polymer containing hydrophilic moieties through a spinnerette, the amount of water in said melt being in the lower half of the range of amounts required to provide a single phase fusion melt under the conditions of extrusion and the amount of hydrophilic moieties contained in said polymer being sufficient to control the rate of release of water from the nascent extrudate in conjunction with processing and prevent substantial formation of a separate water phase; passing said nascent extrudate directly into a steam-pressurized solidification zone maintained under conditions of saturation and pressure to provide a solidified nascent extrudate and to prevent the substantial formation of a separate water phase in the solidified extrudate while removing water from said extrudate; releasing the solidified extrudate from said steam-pressurized solidification into the atmosphere to provide a solidified extrudate containing residual water in a single water-polymer phase; and drying the resulting extrudate under conditions of temperature and humidity to remove water therefrom and to avoid the substantial formation of a separate water phase therein.

(Compl. Specn. 28 Pages. Drg. Nil.)

CLASS 9A

150909.

Int. Cl. C 22 C 13/00.

AN ALLOY FOR SOLDERING/BRAZING ALUMINIUM.

Applicants & Inventors : (1) SUNANDA DHAR, OF 48 GREEN AVENUE, CALCUTTA-700075, WEST BENGAL, INDIA, (2) SUSANNA SEN, OF 15 R. K. GHOSH ROAD, CALCUTTA-700042, WEST BENGAL, INDIA.

Application No. 1134/Cal/78 filed October 20, 1978.

Complete Specification left 20th November, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

1 Claim. No drawing

A process of preparing a tin zinc bismuth alloy, characterized by alloying in a manner such as herein described 72% tin, 13% zinc and 15% bismuth by weight, having a melting point of 165°C that can be used for soldering brazing of aluminium parts by melting with a commercially available soldering iron.

(Compl. Specn. Pages. Drg. Nil.)

CLASS 90F

150910.

Int. Cl. C 03 b 37/00; H 01 V 1/04.

APPARATUS FOR MAINTAINING CALIBRATION OF A THERMOCOUPLE USED IN A BUSHING FOR THE DRAWING OF GLASS FIBER.

Applicants : NITTO BOSEKI CO., LTD. OF 1, AZA HIGASHI, GONOME, FUKUSHIMA-SHI, JAPAN.

Inventor : CHARLES HALEY COGGIN.

Application No. 1157/Cal/78 filed October 25, 1978.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

An improved thermocouple for use with a metallic bushing for the drawing of glass fibers for sensing the temperature of the bushing, said thermocouple comprising dissimilar metallic leads connected to the bushing, at least one of which leads has the property of forming an alloy with the material of the bushing whereby the interface between the leads migrates, said thermocouple connection comprising a thermocouple junction between said leads at and in contact with the bushing and extended portion of at least said one of leads extending directly from the bushing and over a length so closely adjacent the bushing that the temperature of said one lead over said length is substantially equal to the temperature of the bushing.

(Compl. Specn. 15 Pages. Drg. 2 Sheets.)

CLASS 31C & 68D

150911.

Int. Cl. C 07 K 3/00; H 01 C 7/12.

A METHOD FOR PRODUCING VOLTAGE LIMITER SUITABLE FOR USE IN GAPLESS LIGHTING ARRESTERS.

Applicants : WESTINGHOUSE ELECTRIC CORPORATION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventors : (1) TAPAN KUMAR GUPTA, (2) WILLIAM GEORGE CARLSON, (3) JOSEPH CHARLES OSTERHOUT, (4) GERALD BENNETT BOYETTE, AND (5) ANDREW STANLEY SWEETANA, Jr.

Application No. 251/Cal/79 filed March 14, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

A method of producing a voltage limiter especially suitable for use in gapless lightning arresters, which comprises preparing a composition by mixing ZnO as its primary ingredient with 0.75-5.25 mole % B_2O_3 , 0.25-5.25 mole % Co_3O_4 , 0.25-1.75 mole % MnO_2 , 0.25-1.75 mole % Sb_2O_3 and 0.125-0.875 mole % SiO_2 to form a homogeneous mixture; forming the above composition into the desired shape, sintering the formed composition for a predetermined period of time at a predetermined temperature such that the composition displays (a) a microstructure including an array of ZnO grains which are separated from one another by an intergranular phase made up of the remaining ingredients of said composition, (b) a non-linear exponent α at least equal to about 35 over the current range of 1 ma to 5000 amps and (c) an energy absorption capability at least equal to about 50 joules/ Cm^2 .

(Compl. Specn. 15 Pages. Drg. 1 Sheet.)

CLASS 40A₂

150912.

Int. Cl. B 01 j 1/00.

METHOD FOR THE PRODUCTION OF α -ALUMINA AND AN APPARATUS FOR CARRYING OUT THE SAME.

Applicants : F. L. SMIDTH & CO. A/S. OF 77 VIGERS-LEV ALLE, DK-2500 COPENHAGEN VALBY, DENMARK.

Inventor : BENNY ERIK RAAHAUGE.

Application No. 398/Cal/79 filed April 20, 1979.

Convention date 20th April, 1978 (15689/78) U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

19 Claims.

A method of producing anhydrous alumina from alumina trihydrate in which free and chemically bound water is at least partially removed in a precalcining zone wherein the alumina trihydrate is suspended in and heated by and separated from a stream of hot gases, whereafter the precalcined dehydrated alumina is recrystallized at least partially to α -alumina in a reaction chamber provided with means for feeding fuel and oxygen containing gas to a combustion zone in the chamber, in which the exothermal recrystallization is initiated by further heating the precalcined alumina by suspending the material in hot combustion gases; whereafter the at least partially recrystallized alumina is carried out of the reaction chamber suspended in the combustion gas stream, separated from the gas stream and subjected to rapid cooling in a cooling zone, characterized by providing a vigorous initiation of the recrystallization reaction by intimate mixing of precalcined alumina and fuel followed by suspension of this mixture in the oxygen containing gas fed to the combustion zone.

(Compl. Specn. 24 Pages. Drg. 2 Sheets.)

CLASS 32F₁ & 2(b), & 55D₂

150913.

Int. Cl. A 01 n 9/00, 2/00; C 07 d 91/32.

A METHOD FOR PREPARING A NOVEL AND USEFUL COMPOSITION, BY MIXING EFFECTIVE AMOUNTS OF AN ACETAMIDE HERBICIDE AND A SAFENING AGENT.

Applicants : MONSANTO COMPANY, OF 800 NORTH LINDBERGH BOULEVARD, ST. LOUIS, MISSOURI 63166, UNITED STATES OF AMERICA.

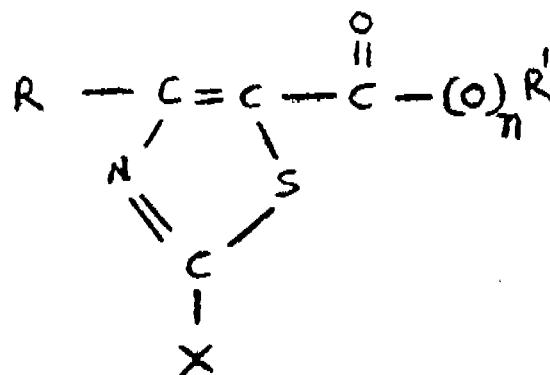
Inventors : (1) ROBERT KENNETH HOWE, and (2) LEN FANG LEE.

Application No. 488/Cal/79 filed May 11, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims.

A method for preparing a novel and useful composition comprising mixing a herbicidally-effective amount of an acetamide herbicide and a safening-effective amount of a compound having the formula I



wherein n is zero or one; X is selected from the group consisting of chloro, bromo, iodo, fluoro lower alkoxy, phenoxy, and phenoxy substituted by one or two groups independently selected from the group consisting of lower alkyl and halogen; R is selected from the group consisting of alkyl having up to nine carbon atoms, haloalkyl and trialkoxymethyl; when n is one, R' is selected from the group consisting of hydrogen, agriculturally acceptable cations, alkyl, lower alkenyl, lower alkynyl, alkoxyalkyl, haloalkyl, benzyl, phenyl and phenyl substituted by one or two members selected from the group consisting of halogen, lower alkyl, trifluoromethyl and nitro, when n is zero, R' is selected from the group consisting of chloro, amino, and mono or dialkylamino, the ratio of herbicide to safening agent varying from 1 : 25 to 25 : 1 parts by weight.

(Compl. Specn. 80 Pages. Drg. 1 Sheet.)

CLASS : 187E₃

150914.

Int. Cl. H 04 r 23/00.

ELECTRO-ACOUSTIC TRANSDUCER.

Applicants : SIEMENS AKTIENGESELLSCHAFT, OF BERLIN AND MUNICH, WEST GERMANY.

Inventor : ERWIN MARTIN.

Application No. 656/Cal/79 filed June 27, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

An electro-acoustic transducer comprising a transducer membrane which is arranged in a capsule and by which the space in the capsule is divided into a membrane antechamber and a membrane rear chamber, a cover which closes the membrane antechamber and is provided with sound openings, a baffle plate arranged in the membrane antechamber between the membrane and the cover, the cover and the baffle plate each being provided with sound openings, the sound openings in the cover being offset relative to the sound openings in the baffle plate, and attenuating means arranged in the region of the baffle plate to cover the sound openings therein.

(Compl. Specn. 12 Pages. Drg. 2 Sheets.)

CLASS 113D

150915.

Int. Cl. F 21 l 19/00.

INVERTED FLAME KEROSENE LAMP.

Applicant & Inventor : BIBHUTI BHUSHAN SARKAR, OF P. 533, RAJA BASANTA ROY ROAD, CALCUTTA-700029, WEST BENGAL, INDIA.

Application No. 727/Cal/79 filed July 16, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

An inverted flame kerosene lamp for producing inverted flame characterised in that it consists of a body in the form of a truncated cone made of sheet metal, having a circular cover on the top and a substantially hemispherical glass globe at the bottom held by a wire frame, hinged with the body and operated by a clamp wherein the fuel supplying system consists of two oil containers one placed invertedly over the other and the wick passes through a horizontal sheet metal casing one end of which is fixed to a bracket and the other end is having a gradual 90° bend downwards disposed centrally to the lamp body.

(Compl. Specn. 4 Pages. Drg. 2 Sheets.)

CLASS 190D

150916.

Int. Cl. F 03 d 3/04.

ROTOR ASSEMBLY FOR AIR/WIND TURBINE.

Applicant & Inventor : AHMAD HUSSAIN, OF VILLAGE-RAMPUR, P.O. & P.S. WARISNAGAR, DIST. SAMASTIPUR, BIHAR, PIN CODE-848133, INDIA.

Application No. 795/Cal/79 filed July 31, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

12 Claims.

A rotor assembly suitable for air/wind turbine including a wind accumulator consisting of a plurality of ducts of the kind as specified, a control means for said wind accumulator, a rotor and a rotatable shaft, said rotor comprises a substantially circular frame wheel and a plurality of blades fixedly attached to said frame wheel, said shaft is coaxially fixed with said frame wheel, said frame wheel and said blades rotate along with said shaft, said shaft is mounted vertically on bearings and said shaft along with said rotor is coaxially accommodated within said wind accumulator.

(Compl. Specn. 10 Pages. Drg. 1 Sheet.)

CLASS 172C

150917.

Int. Cl. D 01 g 15/14.

WEB CRUSHING APPARATUS FOR A CARD WEB.

Applicants : MÄSCHINENFABRIK RIETER A.G., OF WINTERTHUR, SWITZERLAND.

Inventors : (1) FELIX GRAF, (2) GIANCARLO MONDINI, (3) ARMIN WIRZ.

Application No. 856/Cal/79 filed August 18, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

14 Claims.

Web crushing apparatus for a card web comprising cooperating rolls, a pressing member which is pressable against one roll with facing complementary surfaces on the pressing member and the roll, and means, enabling supply of air under pressure to the facing complementary pressing surface such that due to compressed air supplied via the supply means in use an air film is formed between the pressing member and the one roll, which film transmits the load from the pressing member to the roll and wherein the pressing member is formed by a substantially rigid member which is guided for radial movement with respect to the one roll and which is pressed against the one roll by resilient loading means.

(Compl. Specn. 19 Pages. Drg. 3 Sheets.)

CLASS 39C & K

150918.

Int. Cl. C 01 b 21/20; C 01 C 1/02.

ARC REACTOR DEVICE.

Applicants : CHARLES F. KETTERING FOUNDATION, OF 5335 FAR HILLS DAYTON, OHIO 45429 U.S.A.

Inventors : (1) RICHARD WILLIAM TREHARNE, (2) CHARLTON K. MCKIBBEN (3) DONALD R. MOLES, AND (4) MITCHELL R. M. BRUCE.

Application No. 593/Cal/80 filed May 20, 1980.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

15 Claims.

An arc reactor device for producing nitrogen oxides by an arc discharge process, comprising : an electrically conductive casing, defining an arc discharge chamber therein, and having inlet opening means and outlet opening means communicating with said chamber, an electrically conductive discharge electrode, electrically insulated from said casing and extending into said chamber, power source means for applying an arc discharge potential between said discharge electrode and said casing, thereby producing electrical arcing between said discharge electrode and said casing to form nitrogen oxides from air supplied to said chamber through said inlet opening means, said nitrogen oxides being removed from said chamber through said outlet opening means, a starter electrode extending into said chamber and being movable from an extended position, in which said starter electrode contacts said discharge electrode, to a retracted position, in which said starter electrode is out of contact with said discharge electrode, said starter electrode being electrically connected to said casing, and means for moving said starter electrode from said extended position at initiation of operation of said arc reactor device to said retracted position and maintaining said starter electrode in said retracted position during operation of said arc reactor device whereby arcing is initiated between said starter electrode and said discharge electrode and, thereafter, occurs between said discharge electrode and said casing.

(Compl. Specn. 20 Pages. Drg. 1 Sheet.)

CLASS 131 B₁

150919.

Int. Cl. E 21 C 13/00.

BEARING MEANS FOR ROTARY DRILL BITS.

Applicants : SANDVIK AKTIEBOLAG, OF FACK S-811 01 SANDVIKEN 1, SWEDEN.

Inventor : KNUT AKI KLING.

Application No. 668/Cal 78 filed June 16, 1978.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

7 Claims.

Bearing means for unsealed rotary drill bits comprising a drill body having at least one bearing shaft on which a roller with cutting inserts is rotatably mounted, bearing means for supporting the roller on the shaft and an air flushing channel terminating at the end surface of the bearing shaft, characterized in that the bearing means includes an axial bearing, one bearing surface of which is provided by a plate of sintered hard metal alloy, the other bearing surface being constituted by a supporting plate of less hard and wear resistant material, the plate of sintered hard metal alloy being pressed into the end surface of the bearing shaft in such a way that it is cooled from the rear side by air supplied through the flushing channel.

(Compl. Specn. 9 Pages. Drg. 3 Sheet.)

CLASS 64B.

150920.

Int. Cl. H 02 b 1/00.

CONTROL HOUSING FOR MACHINE TOOLS.

Applicants : MESSER GRIESHEIM GMBH, OF HANAUER LANSTR. 330, D-6000 FRANKFURT MAIN, WEST GERMANY.

Inventors : JURGEN BOJE, HEINZ GEWALD, GUNTER SCHUMANN, HORST BRATENGEIER AND ECKHARD KOCH.

Application No. 846/Cal/78 filed August 3, 1978.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

5 Claims.

A control housing for machine tools, in particular flame cutting machines, comprising a casing for receiving control units, the housing having a front panel, characterized in that all control units are secured to the front panel of the housing and, the front panel is in the form of a housing cover and is adapted to be fitted to the housing together with the control units.

(Compl. Specn. 7 Pages. Drg. 3 Sheets.)

CLASS 127 I

150921.

Int. Cl. F 16 d 31/08.

FLUID DRIVE COUPLING.

Applicants : CUMMINS ENGINE COMPANY, INC., OF 1000 FIFTH STREET, COLUMBUS, INDIANA 47201, UNITED STATES OF AMERICA.

Inventors : (1) RICHARD EARL GLASSON, (2) JERRE FRANCIS LAUTERBACK.

Application No. 1368/Cal/78 filed December 23, 1978.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

10 Claims.

A fluid drive coupling comprising a rotary mounted plate-like first member (18a); a rotary mounted second member (clutch member 18) provided with a chamber accommodating said first member, said member being rotatable mounted about a common axis and said first member or said second member being adapted to have an external driving force applied thereto, said chamber including an annular fluid drive section having surfaces thereof in close proximity to substantial outer opposite surface portions of said first member, and an inner section having surfaces thereof spaced axially a substantially distance from opposite sides of said first member, the inner section of said chamber disposed axially to one side of said first member being formed into first and second fluid reservoirs interconnected to one another only through a port; a thermal responsive valve mounted on said second member and rotatable therewith, said valve being operatively connected to said port and effecting opening thereof when said valve is subjected to predetermined temperatures; and elongated fluid skimming means mounted for slidably axial movement within an elongated cavity formed in said second member, said cavity being in communication with a predetermined peripheral segment of said chamber drive section and in communication with said first reservoir said skimming means having a segment thereof protruding into said chamber drive section and encompassing a peripheral portion of said first member, said skimming means being adapted to slidably engage opposing surfaces of said first member peripheral portion to remove fluid carried on the surfaces thereof and to divert said removed fluid from the cavity first portion to said cavity second portion when said first member is rotating in one direction relative to said second member.

(Compl. Specn. 13 Pages. Drg. 2 Sheets.)

CLASS 39M & 123

150922.

Int. Cl. C 01 b 25/26.

A PROCESS FOR PRODUCING ROCK PHOSPHATE SUITABLE FOR PHOSPHORIC ACID MANUFACTURE FROM LOW GRADE ROCK PHOSPHATES.

Applicants : FERTILIZER (PLANNING AND DEVELOPMENT) INDIA LTD. OF SINDRI, PIN 828122, DIST. DHANBAD, BIHAR, INDIA.

Inventors : (1) SRI SAILENDRA CHANDRA CHATTERJEE, (2) DR. ADAYAPALAM TYAGARAJA BALAGOPAL, (3) SRI MANAS KUMAR SEN, (4) DR. SUJIT KUMAR GHOSH.

Application No. 460/Cal/79 filed May 4, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patent Rules, 1972) Patent Office, Calcutta.

7 Claims. No drawing.

A process for producing rock phosphate suitable for use in phosphoric acid manufacture from low grade rock phosphates as herein described and rich in clay characterized by the following steps : (i) by crushing and grinding said low grade rock phosphates followed (ii) by screening to a size passing through 8 mesh size thereafter (iii) treating the screened material with water to disperse and dissolve water dispersible and soluble material from said material followed (iv) by washing and filtration to obtain residual solid mass, thereafter (v) subjecting the said residual solid mass to a step of drying at around 100°C to reduce the moisture content to a level of about 3% and thereafter (vi) subjecting the thus obtained material to a step of magnetic separation to remove iron oxides and thereby to obtain the desired rock phosphate suitable for use in phosphoric acid manufacture.

(Compl. Specn. 12 Pages. Drg. Nil.)

CLASS 62 C,

150923.

Int. Cl. D06 m 13/00 + D06p — 1/00, 3/00.

A PROCESS FOR PRINTING/DYEING/TRANSFER PRINTING OF COTTON FABRIC AND/OR NONCELLULOSIC FIBRE BLENDED COTTON FABRIC WITH DISPERSE DYES.

Applicants : SHRI AMBICA MILLS LIMITED OF KANKARIA, AHMEDABAD-380 008 (GUJARAT) INDIA.

Inventors : (1) RASHMIKANT SHANTILAL PARIKH, (2) ASHOK SHANTILAL MEHTA, (3) SALIM AHMEDBHAI SHAIKH.

Application No. 202/Bom/79 filed July 12, 1979.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

4 Claims

A process for printing/dyeing/transfer printing of cotton fabric and/or Non-cellulosic fibres blended cotton fabric such as polyester/cotton, polyester/viscose, polyester/polynoisic/cotton fabric with disperse dyes comprising following steps;

(a) preswelling of the fabric with a swelling agent such as water, by heating it in water to 100°C for 5 minutes and squeezing to remove excess of water or semi-drying the fabric to 25% water content or steaming the fabric for 30 minutes or conditioning the fabric at 98—100% relative humidity for 12 to 48 hours and replacing the remaining water content of the fabric by contacting it with glacial acetic acid,

(b) partially acetylating the thus treated fabric with a mixture of acetic anhydride and a diluent such as herein described and a catalyst like mineral acid such as perchloric acid or sulphuric acid in such a way that the degree of acetylation is in a range of 30—50% combined acetic acid content followed by washing and drying and

(c) printing/dyeing/transfer printing the thus acetylated fabric with disperse dyes by conventional methods.

Complete Specification 14 Pages Drawings Nil.

CLASS 98 I 150924.

Int. Cl. B01d 3/00, F 24 j 3/00.

IMPROVEMENTS IN OR RELATING TO SOLAR STILL.

Applicant : JYOTI LIMITED, A COMPANY INCORPORATED UNDER THE PROVISIONS OF INDIAN COMPANIES ACT, OF INDUSTRIAL AREA, P.O. CHEMICAL INDUSTRIES, BARODA-390 003, STATE OF GUJARAT, INDIA.

Inventors : (1) R. VENKATRAMAN, (2) M. S. RAMA PRASAD, (3) DR. B. C. JAIN.

Application No. 6/Bom/1980, filed 16 Jan., 1980.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rule 1972) Patent Office, Bombay Branch.

A portable solar still having an inclined transparent sun facing face and darkened moulded base and sides to form a box type still characterised in that channels are provided on the front face and the lateral faces of the still above the water level for collection of the distillate and transmission of the same to the collecting outlet.

(Complete Specification 6 Pages. Drawings 2 Sheets.)

CLASS 92 I 150925.

Int. Cl. A O I F 7/00.

IMPROVED THRESHING MACHINE.

Applicant & Inventor : RAMCHANDRA BANDU SAWANT 732/A GANPATI PETH SANGALI-416416, MAHARASHTRA STATE, INDIA.

Application No. 31/Bom/1980, filed 18 Feb., 1980.

Appropriate Office for Opposition Proceedings (Rules 4, Patents Rules, 1972) Patent Office, Bombay, Branch.

1 Claim.

An improved threshing machine comprising a disc type threshing wheel having plurality of pins positioned radially, the pins towards the centre being longer than pins towards the periphery, the said threshing wheel being mounted on an axle and driven by a prime mover; a blower on the same shaft of the said threshing wheel; a pulley on this shaft driving another bigger pulley which in turn drives a sprocket wheel over which there runs an endless conveyor belt having curved spikes perpendicular to the said conveyor belt; a hopper for material to be threshed located above the said sprocket wheel; a spring loaded strong strip provided longitudinally just over the upper side of the conveyor belt such that the crop portion carried by the conveyor belt while passing onwards is duly pressed between the said strip and the moving conveyor belt and gets threshed when it comes into contact with the fast rotating said disc type rotating wheel.

(Complete Specification 6 Pages. Drawing 2 Sheets.)

CLASS 92E; 94G 150926.

Int. Cl. B02 C7/00.

AN IMPROVED PAIR OF GRINDING STONES.

Applicants and Inventors : (1) ROHITKUMAR JASHBHAI PATEL AND (2) JITENDRAKUMAR JASHBHAI PATEL OF SWASTIK ENGINEERING WORKS, JAMSONS HOUSE, SUBHASH ROAD, ANAND-388 001, GUJARAT, INDIA. BOTH INDIAN NATIONAL.

Application No. 54/Bom/80 filed March 7, 1980.

Appropriate office for opposition proceedings (Rules 4, Patents Rules, 1972) Patent Office, Bombay Branch.

An improved pair of grinding stones each of the grinding stones comprising a stone mass embedded or moulded in a protective cover of a hard material which fully encloses the said stone mass exposing the grinding surface, one of the grinding stones being stationary and provided with an axial hole and the other grinding stone being rotatory and adapted to be rigidly connectable to a prime mover.

Complete specification 11 Pages Drawing Sheets 9.

CLASS 92 E; 94 C

150927.

Int. Cl. B02 C7/00.

AN IMPROVED GRINDING MACHINE FOR GRINDING SOLID SUBSTANCES.

Applicants and Inventors : ROHITKUMAR JASHBHAI PATEL AND JITENDRAKUMAR JASHBHAI PATEL OF SWASTIK ENGINEERING WORKS, JAMSONS HOUSE, SUBHASH ROAD, ANAND-388001, GUJARAT, INDIA.

Application No. 55/Bom/1980 filed March 7, 1980.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

3 Claims.

An improved grinding machine for grinding solid substances comprising prime mover mounted in a housing, a grinding chamber the upper end whereof is open and the lower end whereof is closed and is provided with an axial hole, the said grinding chamber having a flour outlet at its side and a plurality of spaced apart legs at its lower end outer surface, the said grinding chamber being rigidly mounted on the said housing and the said grinding chamber due to the said legs for atmospheric air to enter the said chamber and that the said hole of the said grinding chamber communicates with the said clearance between the said housing and the said grinding chamber, the said flour outlet being provided with a flour collector and air escape means, the said grinding chamber containing a rotatory grinding stone defining a clearance against the grinding chamber inner surface and having a plurality of fins or such extended surfaces circumferentially, the lower and outer surface of the said protective cover of the said rotatory grinding stone being provided with a tubular member vertically and axially, the said tubular member extending through the said hole of the said grinding chamber and the drive shaft of the said prime mover being engaged in and adjustable by sliding in the said tubular member and rigidly connected to the said tubular member, a stationary grinding stone comprising a stone mass embedded or moulded in a protective cover of a hard material which fully encloses the said stone mass exposing the grinding surface, the said stationary grinding stone having an axial hole, an inclined threaded radial hole and an externally threaded rod having a knob and being provided in the said threaded radial hole for controlling feed rate of the said solid substances passing through the said axial hole of the said stationary grinding stone, the said protective cover of the said stationary grinding stone, the said protective cover of the said stationary grinding stone being vertically adjustably supported in the said grinding chamber by threading the outer surface of the said protective cover of the said stationary grinding stone and the inner surface of the said grinding chamber and by engaging the threaded portions of the said protective cover of the said stationary grinding stone and the said grinding chamber and a key being provided through the said grinding chamber for locking the said stationary grinding stone to the said grinding chamber; a pin one end whereof is rigidly supported in the said rotatory grinding stone and the free end or other end whereof passes through and extends beyond the said axial hole of the said stationary grinding stones, the said pin having a stop towards its free end or other end and being for agitating solid substances being fed through the said axial hole of the said stationary grinding stone and a hopper rigidly and coaxially mounted on the said stationary grinding stone.

Complete specification 10 pages Drawing 4 sheets.

CLASS 28 C, 180 150928.

Int. Cl. F 24 C 3/02.

A BURNER FOR GAS STOVE OR THE LIKE COOKING AND HEATING RANGE AND A GAS STOVE OR THE LIKE COOKING AND HEATING RANGE INCORPORATING THE SAME.

Applicants : INDIAN OIL CORPORATION LTD, 254—C DR, ANNIE BHASANT ROAD, PRABHADAEVI, BOMBAY—400 025—MAHARASHTRA, INDIA.

Inventors : 1. ASHOK KUMAR MEHTA, 2. RAMESH KUMAR PASIYSTA, 3 DR. RAJ KUMAR GUPTA and 4. DR JOGINDER SINGH AHUWALIA.

Application No. 226 Bom/1980 filed July 25, 1980.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch

10 Claims.

A burner for gas stove or the like cooking and heating range comprising a base provided with an inlet for the gas, a vertical mixing tube, means for connecting the lower end of the said tube with the base, means for ejecting the gas into the tube provided at the upper end of the base and a burner top connected to the upper end of the mixing tube and provided with a plurality of gas ports arranged towards periphery leaving in the centre a continuous portion without any gas ports, characterised in that the said burner top on its lower end is provided with a cone projecting towards the mixing tube.

Complete specification 10 pages Drawing sheets 3.

CLASS 94 F and 92 E 150929.

Int. Cl. B02c 13/00.

PULVERIZER

Applicants & Inventors : DIGAMBAR RAMKRISHNA MOHALKAR PRABHAKAR RAMKRISHNA MOHALKAR both of Plot No. 9, Verma Layout, Near Ambazari, Nagpur—440 010 Maharashtra State, India.

Application No. 348 Bom/1979 filed December 12, 1979

Appropriate office for Opposition Proceedings Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch

8 Claims.

1. A pulverizer for continuous pulverization of raw material comprising a casing having a top member and a bottom member having an outlet for the pulverized material wherein the top member has an opening at a convenient place for fixing of a conventional feeding arrangement, a slotted supporting plate or base plate on which a sieve or a perforated sheet is mounted, the base plate being placed at the bottom of the top member, a rotating beater with blades fixed to a vertical shaft and driven by a prime mover and revolving in a horizontal plane above the sieve or perforated sheet and bringing about pulverization of raw material through collision of particles between them selves and against the sides of blades and wall of the top member and the sieved material being pushed out through the sieve and collected through the outlet at the bottom member.

(Complete Specn 7 Pages Drawing 6 Sheets).

CLASS 32E & 40B 150930.

Int. Cl. B01j 11/00; C08f 1/00

METHOD FOR PREPARING CHEMICAL COMPOSITION BASED ON TITANIUM TRIHALIDE.

Applicants : SNAMPROGETTI S. P. A., OF CORSO VENEZIA 16, MILAN, ITALY.

Inventors : (1) MARGHERITA CORBELLINI, (2) ALBERTO GRECO, and (3) MIRKO OSELI AMF.

Application No. 588/Cal/78 filed May 31, 1978.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims. No drawing.

A method for preparing a chemical composition to prepare polymers or co-polymers of olefines based on a titanium trihalide and at least a halide of a metal selected from the group consisting of Al, Cr, Mn, Fe, V, Ti, Zr, Mo, Zn and Ca, comprising the step of reacting in a condition such as herein described a titanium compound having a valency higher than three and the vapors of at least one metal selected from said group in the presence of a halogen-donor compound e.g., organic halides can be used, the ratio, of the gram-atoms of the metal or the metals which react in the vapor phase to the gram-atoms of titanium being higher than $1:n$, n being the valency of the metal, or in the case in which more metals are simultaneously present, n being equal to the highest numerical value among those indicating the valency of the individual metals.

(Compl. Specn. 11 Pages. Drg. Nil.)

CLASS 136F

150931.

Int. Cl. B 22 f 3/00, B 29 f 1/06.

A MACHINE FOR THE PRODUCTION OF MOULDED COMPONENTS IN A COMPACTABLE MATERIAL.

Applicants : NATIONAL RESEARCH DEVELOPMENT CORPORATION, OF P.O. BOX 236, KINGSGATE HOUSE, 66/74 VICTORIA STREET, LONDON, SW1 E 6SL, ENGLAND.

Inventors : (1) KENNETH HORACE STRAWSON, (2) GERALD SPENCER, (3) JOSEPH RAMSEY.

Application No. 608/Cal/78 filed June 3, 1978.

Convention date 15th June, 1977 (25136/77), (25137/77), (25138/77), and 1st Aug. 1977 (32260/77) U.K.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

21 Claims.

A machine for the production of moulded components in a compactable material, the machine comprising a die plate having at least one cavity; a filter assembly adapted to form a closure member for said at least one cavity at one side of said die plate; a die cover plate adapted to be brought into engagement with the opposite side of said die plate; and means for ducting a compactable slurry material to said at least one cavity and for maintaining a slurry pressure such that liquid is expelled through the filter assembly to produce a compact of the material in a required condition in the or each cavity.

(Compl. specn. 34 pages. Drg. 14 sheets.)

CLASS 1290

150932.

Int. Cl. B 23 K 9/10.

ARC TORCH WITH TORCH SWITCH ARRANGED IN THE HANDLE.

Applicants : MESSER GRIESHEIM GMBH, OF HANAU LANDSTR. 330 D-6000 FRANKFURT/MAIN, WEST GERMANY.

Inventors : (1) FRANZ JACKWERTH, (2) OTTO FISCHER, and (3) HARALD REICHELT.

Application No. 842/Cal/78 filed August 3, 1978.

Appropriate Office for Opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

An arc torch with a torch switch arranged in the handle for switching on and off the welding current, the welding voltage, the gas supply and, where applicable, the coolant, the torch switch having two output terminals which are connectible by means of a contact whereby the contact (34) takes

the form of a spring lever, one end of which (35) is permanently connected with the first output terminal (32), the other free-springing end (36) making contact with the second output terminal (33) by means of the control lever (24).

(Compl. specn. 9 pages. Drg. 1 sheet.)

PATENTS SEALED.

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149682 149723 149730 149736 149737 149749 149799 149801
149859 149941 149942 149945 149949 149956 149958.

PATENTS DEEMED TO BE ENDORSED WITH THE WORDS "LICENCES OF RIGHT"

The following patents are deemed to have been endorsed with the words "Licences of right" under Section 87 of the Patents Act, 1970. The dates shown in the crescent brackets are the dates of the Patents.

No. Title of the invention

- 142807 (31-05-74) Process of making ethylene glycol and methanol.
143330 (27-04-74) Preparation of acrylic acid and methacrylic acid from propylene or isobutylene, in a one reactor fluid bed system.
143523 (04-06-74) A process for the preparation of unsaturated nitriles.
144027 (14-04-77) A process for preparing a magnesium containing complex.
144444 (04-03-76) Process for the production of quaternary polyamine salts.
145293 (02-02-77) Catalytic cracking of hydrocarbons.
145569 (05-04-77) Process for preparing 1-(N, N-dimethyl carbamyl)-3-tert. butyl-5-methylthio-1, 2, 4-triazole.
145626 (15-07-76) Gasification of hydrocarbon feed stocks.
145672 (05-05-77) Preparation of novel W-amino-carboxylic acid amides.
145694 (28-09-77) Beneficiation of fluorspar ore.
145701 (12-07-76) Method for recovering and exploiting waste of the chromic anhydride production.
145731 (29-04-77) An improved process for the preparation of 2, 4-dichlorophenol of more than 98% purity.

RENEWAL FEES PAID.

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142474 149262.

REGISTRATION OF DESIGNS.

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class. 1. No. 152478. Best Cast Private Limited, 143 Brickhill Road, Otteriy, Madras 600 012, Tamil Nadu, India, an Indian Company. "automobile wheel disc (wheel rim)". 20th November, 1982.

Class. 1. No. 152396. Rangaswamy Naidu Doraiswamy, an Indian National, sole proprietor of Santha Industries, 158, Avanasi Road, Coimbatore 641 004, Tamil Nadu, India. "Grinding Machine". 21st October, 1982.

Class. 3. No. 152224. Larsen & Toubro Limited, of Power Works, Saki-Vihar Road, P.O. Box 8901, Bombay 400 072, Maharashtra, India, an Indian Company. "Thyristor Convertor". 25th August, 1982.

Class. 3. No. 152285. Colgate-Palmolive Company, a Corporation organised under the laws of the State of Delaware, United States of America, of 300 park Avenue, New York, New York 10022, United States of America. "Bottle". 14th September, 1982.

Class. 3. No. 152397. Rangaswamy Naidu Doraiswamy, an Indian National, sole proprietor of Santha Industries, 158, Avanashi Road, Coimbatore 641 004, Tamil Nadu, India. 21st October, 1982.

Class. 4. No. 152398. Rangaswamy Naidu Doraiswamy, an Indian National, sole proprietor of Santha Industries, 158, Avanashi Road, Coimbatore 641 004, Tamil Nadu, India. "Grinding Machine". 21st October, 1982.

EXTN of copyright for the second period of five years. No. 146357 Class-3.....

EXTN of copyright for the third period of five years. No. 145888 Class-1.....

DR. K. V. SWAMINATHAN,
Controller General of Patents Designs
and Trade Marks.